



KUBOTA UNIVERSITY

Standard L Series

L4701 Detailed Specifications

Winter 2017





STANDARD L SERIES TRACTORS



L4701 F/DT/HST

SALES FEATURES

- Kubota diesel engine with electronic Direct Injection - Common Rail System (CRS) with EGR valve and Diesel Particulate Filter system (DPF)
- Meets EPA Tier 4 Final emissions regulations
- 13.5 gallon fuel tank
- Choice of two transmissions
 - Gear Drive with 8 forward and 8 reverse gears
 - Hydrostatic transmission with 3 ranges - Low - Med - High
- Gear drive models have an inline synchro shuttle for quick direction changes, forward and reverse
- Compact design aimed at greater operator convenience, comfort and performance
- Spacious metal operator foot deck
- Brakes located on left side of operator platform and clutch has been removed (HST model)
- Multiple wet disc brakes
- Hydrostatic power steering for smooth and easy turning
- Enclosed muffler and horizontal exhaust pipe
- 540 rpm PTO, Live independent PTO with hydraulic clutch
- Wide round metal fenders
- Redesigned one piece metal hood with integrated front grille and headlights
- Foldable ROPS
- Deluxe dash with LCD hour and error message display, analog tachometer, fuel and temperature gauges
- DPF warning indicators
- Parking braking indicator

SALES FEATURES

- Cat I three point hitch
- Standard telescoping stabilizers
- Cruise control is standard on HST model

STANDARD EQUIPMENT

- 3-Point top link holder
- 3-Point turnbuckle style check chains
- Differential lock on 4WD is standard (DT/HST models)
- Convenient cup holder
- High back deluxe seat with side lumbar support and a drain hole on the seat bottom
- Key shut-off / safety start switches
- Drawbar
- Tilt-up one piece hood for easy serviceability
- Toolbox
- Left side step for easy entry
- Left side grab handle
- Parking brakes with indicator light
- Headlights and tail lamps
- Dual air cleaner element

SAFETY EQUIPMENT

- Foldable ROPS with retractable seatbelt
- Safety start switches
- Parking Brakes
- Hazard flashers and turn signals
- SMV sign
- Wide anti-slip step
- PTO shield
- Operator presence system (OPC)

IMPLEMENTS

"Performance Matched"

- BH92 Backhoe
- LA765 Front Loader
- BL2664 / L2674 Rear mount snowblowers
- Ballast box
- Land Pride Implements

OPTIONAL EQUIPMENT

- Sunshade for ROPS
- Front weight bracket (4WD)
- Front bumper weights
- Up to (3) rear remote hyd. valves
- Rear work lights
- Rear wheel weights (AG wheels)
- Top and tilt kit
- Block heater
- Swinging drawbar / drawbar clevis
- Front grille guard (non-loader)
- Extra length seat belt



L4701 Specifications

BID SPECIFICATIONS		
L4701 F/DT/HST TRACTOR		
ENGINE		
Make and Model	V2403-CR-E4-LB1	
Type	Liquid cooled, Meets Tier 4 emission regulations	
	4 cylinder 4 cycle multi valve diesel engine	
	Fuel injection system: CRS (Common Rail System) direct injection; electronic fuel injection	
	Naturally aspirated	
Engine hp, gross*	47.3 hp @ 2600rpm	
Engine hp, net*	44.8 hp @ 2600rpm	
Engine hp, PTO*	F/DT 39.3 hp @ 2600rpm HST 37.8 hp @ 2600rpm	
Maximum torque	105.1 ft. lb. @ 1500 ~ 1700 rpm	
Bore and Stroke	3.43 in. x 4.03 in.	
Displacement	148.5 cu. in.	
Fuel per hour	2.4 gal. per hour at maximum load (calculated, actual may vary)	
Air Cleaner Element	Dry Paper Dual Element	
Cold Weather Start Aid	Glow Plugs	
Lubrication	Forced lubrication by trochoidal pump	
Governor	Electronic control	
Injection pump	Electronic CRS (Common Rail System)	
Fuel filter system	1-Spin on type fuel filter with water separator with manual drain cock	
Oil filter	Sheet net and replaceable treated paper element, spin on oil filter	
Exhaust	Underhood exhaust system, with DPF muffler, forward exhaust	
Engine Compartment	Fully enclosed and screened engine compartment with easy access hood	
Fuel Shutoff	Electric activated engine stop mechanism	
Throttle	Hand and foot operated throttle	
COOLING SYSTEM		
Radiator	Water with pressurized radiator	
Water pump	Centrifugal	
CAPACITIES		
Fuel Tank	13.5 gal.	
Cooling system	6.9 qt.	
Engine Oil	8.7 qt.	
Transmission	10.6 gal.	
Front Axle - 4WD Bevel Gear Cases	6.9 qt.	
AXLE LOAD RATINGS (Maximum)		
Front Axle	3300 lb. @ 50.4 in. tread on 2WD and 3300 lb. @ 45.5 in. tread on 4WD models	
Rear Axle	3300 lb. @ 46.5 in. tread on 2WD and 4WD models	
PTO		
Rear PTO	Shaft	1 3/8" SAE 6-Spline Shaft
	F/DT	Live Independent PTO w/ hydraulic clutch: 540 rpm @ 2475 engine rpm
	HST	Live Independent PTO w/ hydraulic clutch: 540 rpm @ 2640 engine rpm
Mid PTO	N/A	
PTO Shield	Flip-up type PTO shield	

*Manufacturers Estimate

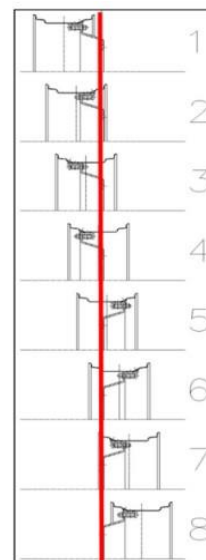
DRIVE TRAIN		
Front Axle	2WD: Tubular steel, non-adjustable tread spacing	4WD: Bevel gear front axle, non-adjustable tread spacing
4WD Drive Shaft	Fully Enclosed, Spline Shaft Power Transfer	
Clutch	Dry type single plate F/DT models - Main clutch 9.45"	
	No transmission clutch on HST model	
DT Models	Manual transmission with synchronized shuttle	
Speeds	8 Forward / 8 Reverse - 4 Main speeds with High and Low	
Shuttle Lever	Left side inline shift lever for forward/reverse direction changes - Sychro-Shuttle	
Main Shift Lever	Straddle mounted gear shift lever	
Throttle	Hand and foot operated throttle	
HST Models	Hydrostatic transmission	
Speeds	3 Range (Low-Medium-High)	
Control Type	Servo control	
Foot Control	Single pedal, Toe/Heel or Toe/Toe forward/reverse operaton	
Throttle	Hand operated throttle	
Creep Speed	N/A	
Cruise Control	Mechanical lever, infinite speed control (standard HST only)	
Steering	Hydrostatic power steering	
Differential Lock	Rear differential lock standard	
Final Drive Type	Helical gear, Flange hub	
Axle Ratio 4WD	1.663	
Brakes	Mechanical, wet disc type, pedals that can be locked together	
HYDRAULIC SYSTEM		
Type	Open center tandem pump gear type	
Hydraulic pump output	7.8 gpm	
Power steering pump output	4.7 gpm	
Total hydraulic flow	12.5 gpm	
Number of remote valves	Optional up to 3 - Self canceling detent valve or float detent valve options	
Hydraulic filter type	Spin-on hydraulic filter	
THREE-POINT HITCH		
Category	Category I	
Control Method	Position control	
Draft Control	Optional	
Lift Arms	Rigid lower link ends with telescoping stabilizers	
Right link adjustment	Turn Buckle	
Lift Capacity @ Lift Points	2870 lb.	
24" Behind Lift Points	2310 lb.	
DRAWBAR		
Tongue weight	Maximum tongue weight 1430 lb.	
Type	Fixed (Swinging - optional)	
ELECTRICAL		
System	Deluxe dash with analog tachometer, temperature gauge, fuel gauge and LCD hour and error message display	
Battery	12 volt battery 600 CCA	
Alternator	40 Amps.	
Engine Shutoff	Electric key shutoff	
Cold temperature starting aid	Glow plugs (Block heater - optional)	
Lights	Fender mounted 4-way flashers	
	Two headlights	
	Two tail lights with hazard flashers and turn signals	
SAFETY EQUIPMENT		
ROPS	Factory certified two post foldable ROPS with retractable seat belt	
Cab	N/A	
Safety start switches	PTO / Shuttle (F/DT)/HST Range (HST) Neutral Switches	
OPC	Operator presence control system, engine shutoff type	
Parking brakes	Interlocking brake pedals, and depress pedal and latch with the parking brake lever	
SMV sign	Slow moving vehicle sign	
Paint	High visibility paint	

DIMENSIONS		
Height to top of ROPS		91.7 in.
Height to top of Cab		N/A
Overall Length		F - 130.3 in. w/3-Pt., 122.8 in. w/o 3-Pt. DT/HST - 127.4 in. w/3-Pt., 119.5 in. w/o 3-Pt.
Overall Width		62.4 in.
Wheelbase		F - 72.8 in., DT/HST - 72.6 in.
Crop Clearance		F - 16.3 in DT/HST - 16.1 in.
Ground Clearance		15.2 in.
Tread Width	Ag Tires	Front: 2WD 7.5-15 (50.4")(54.3")(58.3")(62.2") - Front: 2WD 6-16 (47.6")(51.6")(55.5")(59.4") Front: 4WD 8.3-16 (45.5") / Rear: 14.9-24 (46.5")(47.2")(51.2")(57.1")(60.8")
	Turf	Front: 2WD 27x8.5-15 (48.6")(52.6")(56.5")(60.4") - 4WD 27x8.5-15 (47.2") 27x10.5-15 (46.5") Rear: 44x18-20 (56.3")
	Industrial	Front: 4WD 10x16.5 (47.0") Rear: 17.5-24 (49.2")(53.5")(54.7")(59.1")
Turning Radius	w/brake	2WD - 8.9 ft. 4WD - 8.5 ft.
	w/o brake applied	2WD - 10.2 ft. 4WD - 11.5 ft.
Base Weight		F - 3219 lb. / DT - 3296 lb. / HST - 3307 lb.
Field Ready		Front weights 55 lb. each x max 7 / Rear wheel weights 62 lb. each max. 3 per wheel
TOW RATING		
Maximum		6600 lb.
Max. drawbar load @ hitch		1430 lb.
WHEELS AND TIRES		2WD MODEL
Standard - Ag		7.5L-15 F2 Firestone Guide Grip - ALR8852A 14.9-24 R1 Firestone SATII - ALR6811A
Option 1 - Turf		27x8.5-15 R3 Goodyear SofTrac - ALR8868 44x18-20 R3 Titan Multi Trac - ALR6803
WHEELS AND TIRES		4WD MODEL
Standard - Ag		8.3-16 R1 OTR Traction Master - ABR8753B 14.9-24 R1 Firestone SATII - ALR6811A
Option 1 - Turf		27x8.5-15 R3 Goodyear SofTrac - ALR8868 44x18-20 R3 Titan Multi Trac - ALR6803
Option 2 - Turf		LSW305R343 R3 Titan Grizz LSW 430 - ALR6818A LSW610R470 R3 Titan Grizz LSW 430 - ALR6817
Option 3 - Industrial		10-16.5 R4 Titan Trac Loader - ALR8869A 17.5L-24 R4 Firestone AllTractnUilty - ALR6807

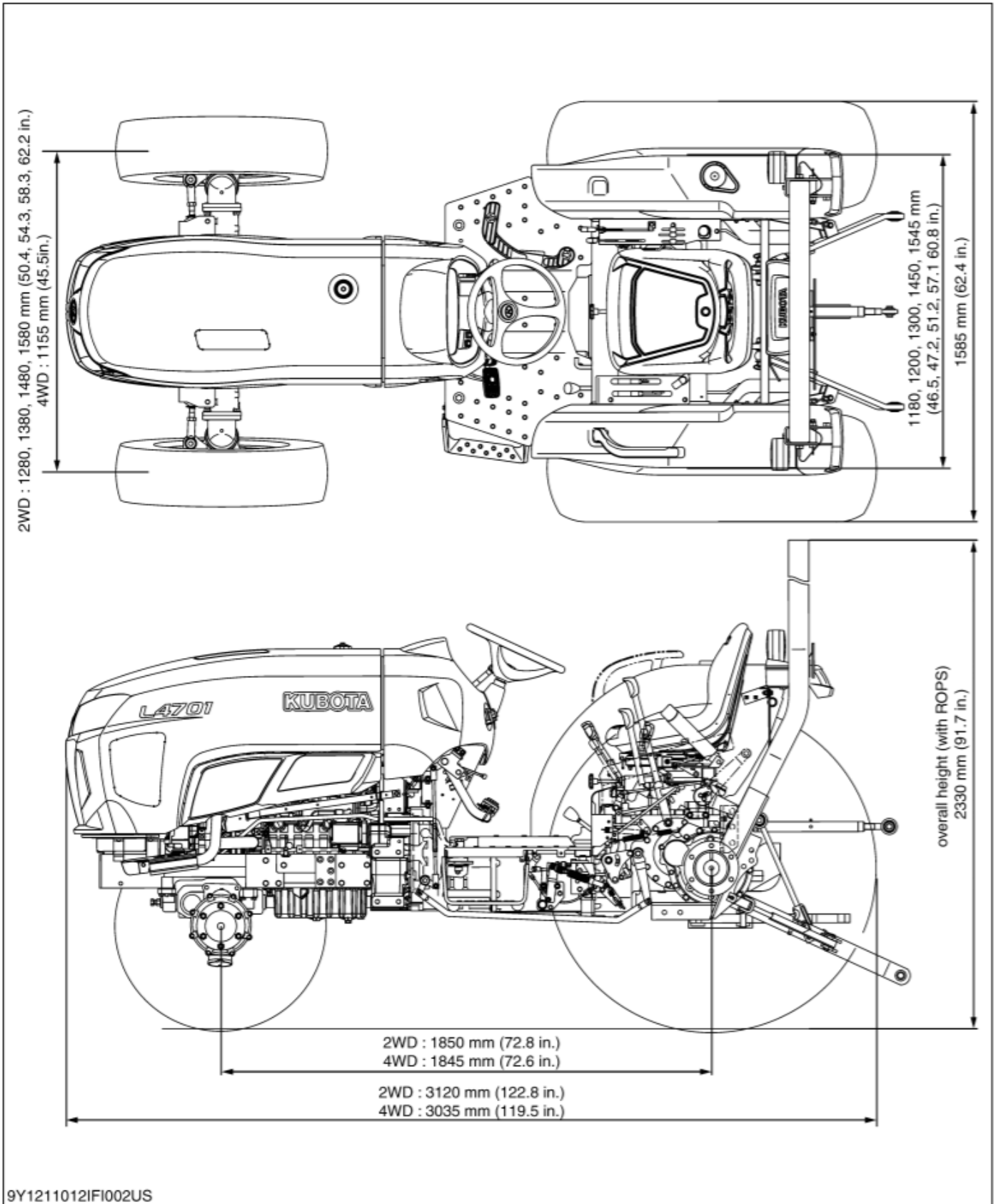
Adjustable Wheels			
Standard Rear ALR9494 R1-F/DT/HST	Wheel Offset	Center to Center	Overall Width
Position 6	2.94	43.8	55.1
Position 7	4.55	47.1	58.3
Position 8	6.44	50.8	62

Note: Positions shown are only positions available.

Fixed Welded Wheels			
Tire Model	Wheel Offset	Center to Center	Overall Width
ALR8804A R3-F/DT/HST	2.74	43.8	59.2
ALR8809 R4-DT/HST	3.6	45.1	60.1




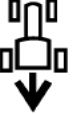




Tractor
Axle





Traveling Speeds

Manual Transmission Type

Model		L4701		
Tire size (Rear)		14.9-24		
	Range gear shift lever	Main gear shift lever	km/h	mph
Forward 	Low 	1	2.2	1.4
		2	2.8	1.7
		3	4.6	2.8
		4	6.7	4.2
	High 	1	8.0	5.0
		2	10.0	6.2
		3	16.3	10.1
		4	24.0	14.9
Reverse 	Low 	1	2.1	1.3
		2	2.7	1.7
		3	4.4	2.7
		4	6.4	4.0
	High 	1	7.7	4.8
		2	9.6	6.0
		3	15.6	9.7
		4	23.0	14.3

HST Type

Model		L4701		
Tire size (Rear)		14.9-24		
	Range shift lever	km/h	mph	
Forward 	L	5.9	3.7	
	M	12.2	7.6	
	H	25.4	15.8	
Reverse 	L	5.3	3.3	
	M	11.0	6.8	
	H	22.9	14.2	

IMPLEMENTS AND ATTACHMENTS	
<p>Front Loader LA725</p> <ul style="list-style-type: none"> Standard with 2-Lever Quick Coupler Grille Guard No tools required to attach and detach loader Loader valve <p>Loader Options</p> <ul style="list-style-type: none"> L2235A 72" 2-Lever Quick Coupler Square Back Bucket L2296 72" 2-Lever Quick Coupler Round Back Bucket L2236 72" 2-Lever Quick Coupler Light Material Bucket L2237 2-Lever Quick Coupler Bale Spear L2238 2-Lever Quick Coupler Pallet Fork Frame K9048 36" Pallet Forks L2130 Bucket Rod Indicator 	<p>Backhoe BH92</p> <p>Optional Attachments</p> <ul style="list-style-type: none"> BT3001 12" Pin-on Bucket BT3002A 16" Pin-on Bucket BT3003A 18" Pin-on Bucket BT3004 24" Pin-on Bucket BT3005A 30" Pin-on Bucket BT3006 36" Pin-on Bucket BT4550 Quick Coupler BT4552 12" Quick Attach Bucket BT4553 16" Quick Attach Bucket BT4554 18" Quick Attach Bucket BT4555 24" Quick Attach Bucket BT4557 36" Quick Attach Bucket L9467 Flip Pads (2 Required) BT4598 Hydraulic Thumb BH4949 Mechanical Thumb
<p>Rear Mounted Implements</p> <ul style="list-style-type: none"> BL2664 64" Rear Snowblower L2674 74" Rear Snowblower 	





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